

Work Order ID 63738

Friday, November 12, 2010 8:28:58 AM



Page 1

Item ID: D3954-7

Accept



Setup Start



Revision ID:

Stop



Item Name: Ratchet Lug

Start Date: 11/12/2010 Start Qty: 5.00



Cust Item ID:

Required Date: 11/19/2010 Req'd Qty: 5.00



Customer:

Reference:

Approvals:

Process Plan:

*11*Date: *10-11-12*

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr

Revision Nbr

D3954

B

0.00



Mill Conv

Memo

0.00

Conventional Milling Machine

mill to size

*10**10/12/02**6*

110

0.00



Waterjet

Memo

0.00

FLOW CNC Waterjet

1-Cut as per Dwg D3954

Dwg Rev: *B*Prog Rev: *B*

2-Deburr if necessary

B10-12-2

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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Page 2

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Reference:

Cust Item ID:

Customer:

Approvals:

Process Plan:

Date:

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run

Start

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

120

QC2- Inspect parts off machine FAI/FAIB

0.00



QC

Memo

0.00

Quality Control

FB10-12-2

Pho →

125

Memo

0.00



Mill Conv

mill as per Dwg D3954

0.00

Conventional Milling Machine

10/12/02 6

127

QC2- Inspect parts off machine FAI/FAIB

0.00



QC

Memo

0.00

Quality Control

10/12/03 6

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: D3954-7 PAR #: _____ Fault Category: Small Fds - W-Jet NCR: Yes No DQA: _____ Date: 11.02.07
 Resolution: Accepted Disposition: USE AS IS QA: N/C Closed: _____ Date: 11/02/07

NCR: <u>63738</u>		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			
10/12/16	#120	Found that all qty x6 have the .75" hole oversized hole measure on qty x5 .760" and on qty x1 .770"	10.12.16 Q1012	ACCEPTABLE ON THE BASIS THAT THIS REFLECT MAX SIZE OF TAPERED HOLE. THIS W/O ONLY.	10/12/16	10/12/16	10/12/16	10/12/16
		R.L. waterjet taper		PROCESS MUST BE CHANGED.				10/12/16
				Process was change by reducing hole size on underjet and opening hole to size on milling.	11.02.07			

NOTE: Date & initial all entries

Work Order ID 63738

Friday, November 12, 2010 8:28:58 AM



Page 3

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Revision ID:

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Item Name: Ratchet Lug

Start Date: 11/12/2010 Start Qty: 5.00



Cust Item ID:

Required Date: 11/19/2010 Req'd Qty: 5.00



Customer:

Reference:

Run Start



Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Stop



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

130

QC8- Inspect parts - second check

0.00



QC

Memo

0.00

Quality Control

8/10/12/16

Ⓢ

140

W Powder coat Yellow

0.00



SprayPaint

Memo

0.00

Spray Painting

1- SPRAY PAINT YELLOW AS PER DWG
A/R BATCH: M 116 329

START 10:55
OVERT. 3200
FINISH 11:35

6 BR 11-01-27

150

QC14- Inspect Spray Paint

0.00



QC

Memo

0.00

Quality Control

6 11/28/28 Ⓢ

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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NOTE: Date & initial all entries

Work Order ID 63738

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Page 4

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Required Date: 11/19/2010 Req'd Qty: 5.00

Reference:

Cust Item ID:

Customer:

Approvals:

Process Plan: _____

Date: _____

Tooling: _____

Date: _____

QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Run Start

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

160

Identify as per dwg & Stock Location: 097

0.00



Packaging

Memo

0.00

Packaging

170

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

11/01/28 (8)

11/01/31 (8)

mf

11-01-28

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Friday, November 12, 2010 8:29:03 AM

Page 1

Work Order ID: 63738

Parent Item: D3954-7

Parent Item Name: Ratchet Lug



Start Date: 11/12/2010

Required Date: 11/19/2010

Start Qty: 5.00

Required Qty: 5.00

Comments:

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

M1010B1.000X02.000

Purchased

No

f

11.4000

0.5

2.631579



1810-12-2

1010-1025 Steel Bar 1.00 x 2.00

Location

Loc Qty

Loc Code

MAT

11.4

114431

11.4

7

1010 1"X12"

11.4

12.5

110368

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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NOTE: Date & initial all entries

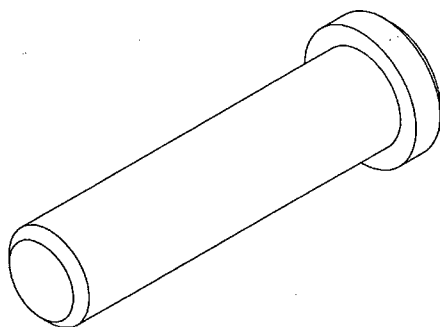
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DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

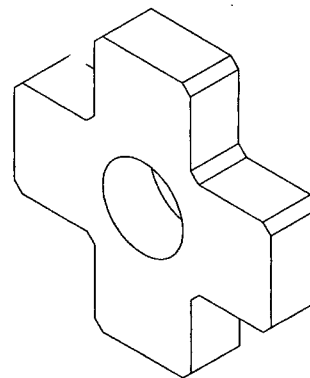
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NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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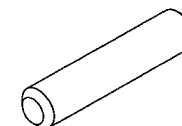
D3954-1 GWT PIN



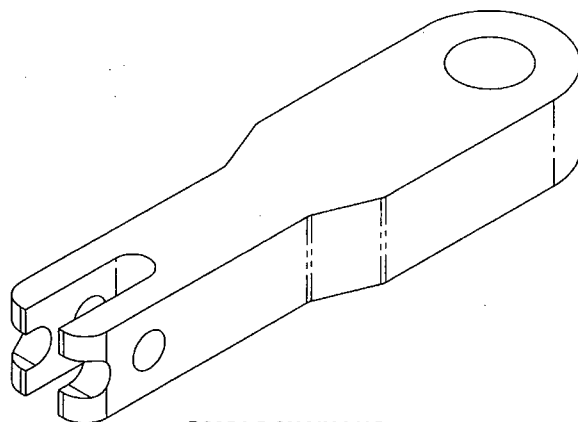
D3954-3 GWT KNOB

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER

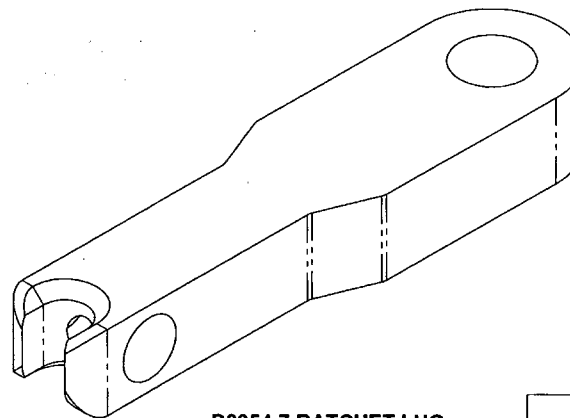
NO. 63738
B/10-11-14



D3954-9 GWT CHAIN PIN



D3954-5 CHAIN LUG



D3954-7 RATCHET LUG

RELEASED
2009-10-19
MP

B	MATERIAL UPDATE FOR ALL COMPONENTS WAS STAINLESS STEEL IS CARBON STEEL FOR ALL COMPONENTS. FINISH FOR ALL COMPONENTS WAS RED POWDER COAT IS YELLOW SPRAY PAINT.	AJS	09.10.15
A	NEW ISSUE	AJS	09.05.26
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS/DSTOW	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		D3954	SHEET 1 OF 3
APPROVED		TITLE	SCALE
DE APPR.	N/A	MISC MACHINED PARTS GWT KIT	NTS
DATE	09.10.15	<small>COPYRIGHT © 2009 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

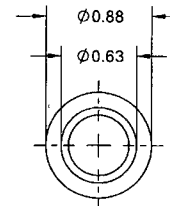
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

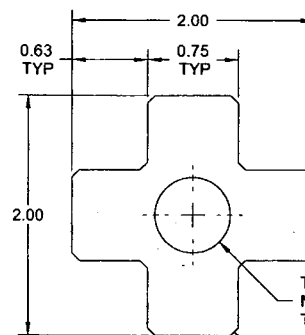
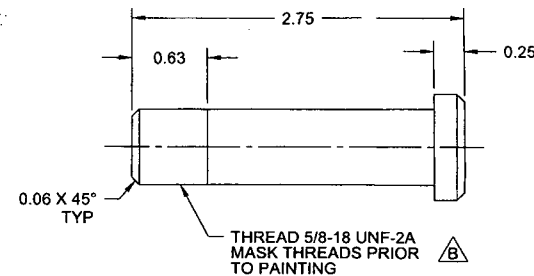
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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

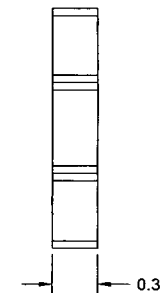
NOTE: Date & initial all entries



D3954-1 GWT PIN



D3954-3 GWT KNOB



NOTES:

1) MATERIAL -1: AISI 1010-1025 MILD STEEL ROUND BAR
PER DART SPEC M1018-R

-3: AISI 1010-1025 MILD STEEL SHEET
PER DART SPEC MS1010-S

OR: AISI 1010-1025 MILD STEEL BAR
PER DART SPEC M1010-B

ALTERNATE MATERIAL:

-1: AISI 303/304 STAINLESS STEEL ROUND BAR
REF DART SPEC M303/304R

-3: AISI 303/304 STAINLESS STEEL SHEET
REF DART SPEC M303/304S

OR: AISI 303/304 STAINLESS STEEL BAR
REF DART SPEC M303/304B

- 2) FINISH: SPRAY PAINT YELLOW WITH BERTRAND CG1031B PER DART QSI 005 4.2
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3954-X" USING FINE POINT PERMANENT INK MARKER
7) WEIGHT -1: 0.26 lbs
-3: 0.23 lbs

RELEASED
2009-10-19

DESIGN	AJS/DSTOW	DART AEROSPACE LTD	
DRAWN	AJS	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		D3954	SHEET 2 OF 3
APPROVED		TITLE	SCALE
DE APPR.	N/A	MISC MACHINED PARTS GWT KIT	NTS
DATE	09.10.15	<small>COPYRIGHT © 2009 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

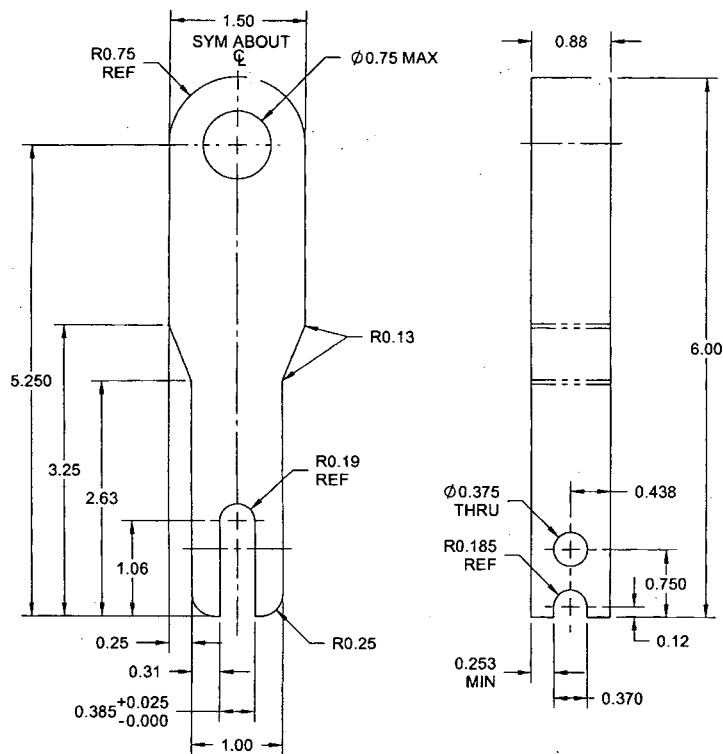
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



D3954-5 CHAIN LUG

NOTES:

1) MATERIAL: -5/-7: AISI 1010-1025 MILD STEEL BAR
PER DART SPEC M1010-B

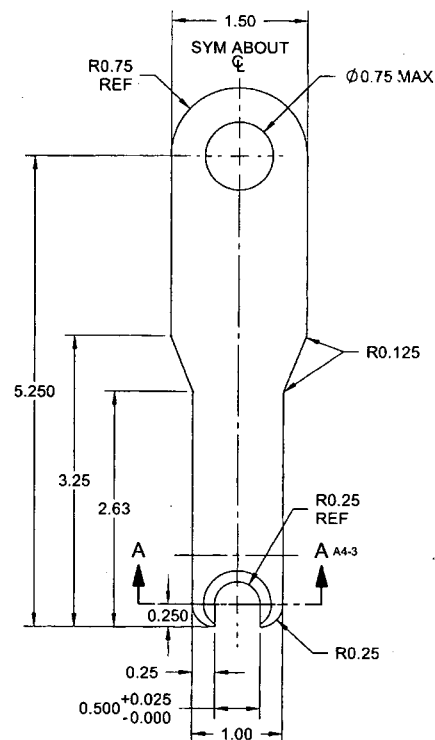
9: AISI 1010-1025 MILD STEEL ROUND BAR
PER DART SPEC M1018-R

ALTERNATE MATERIAL:

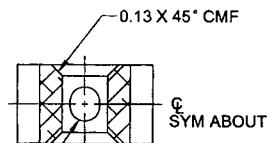
-5/-7: AISI 303/304 STAINLESS STEEL BAR
REF DART SPEC M303/304B

-9: AISI 303/304 STAINLESS STEEL ROUND BAR
REF DART SPEC M303/304R

- 2) FINISH -7 ONLY: SPRAY PAINT YELLOW WITH BERTRAND CG1031B PER DART QSI 005 4.2
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3954-X" USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT -5/-7: 1.56 lbs EACH
-9: 0.05 lbs

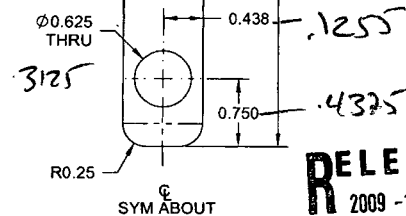


D3954-7 RATCHET LUG

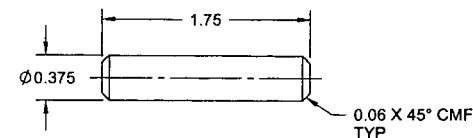



WALL BREAK THRU
ACCEPTABLE

SECTION A-A C3-3



D3954-9 GWT CHAIN PIN



DESIGN	AJS/DSTOW	DART AEROSPACE LTD	
DRAWN	AJS	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		D3954	SHEET 3 OF 3
APPROVED		TITLE	SCALE
DE APPR.	N/A	MISC MACHINED PARTS GWT KIT NTS	
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RELEASED
2009-10-19

u1043738

AMP PAPER CORP.

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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